



US Army Corps
of Engineers
Seattle District



Joint Public Notice

Application for a Department of the Army Permit and a Washington Department of Ecology Water Quality Certification and/or Coastal Zone Management Consistency Concurrence

US Army Corps of Engineers
Regulatory Branch
Post Office Box 3755
Seattle, WA 98124-3755
Telephone (206) 764-6904
Attn: Pamela Sanguinetti, Project
Manager

WA Department of Ecology
SEA Program
Post Office Box 47600
Olympia, WA 98504-7600
Telephone (360) 407-6068
Attn: SEA Program, Federal Permit
Coordinator

Public Notice Date: May 17, 2010
Expiration Date: June 16, 2010

Reference No.: NWS-2009-40
Name: Tacoma Public Utility

Interested parties are hereby notified that the U.S. Army Corps of Engineers (Corps) and the Washington Department of Ecology (Ecology) have received an application to perform work in waters of the United States as described below and shown on the enclosed drawings.

The Corps will review the work in accordance with Section 404 of the Clean Water Act (CWA). Ecology will review the work pursuant to Section 401 of the CWA, with applicable provisions of State water pollution control laws and the Coastal Zone Management Act.

APPLICANT: City of Tacoma
Department of Public Utilities – Water Division
Post Office Box 11007
Tacoma, Washington 98411-0007
ATTN: Mr. Jason M. Moline, P.E.
Telephone: (253) 396-3383

LOCATION: In the Puyallup River, river mile 17.1, south of the 128th Street East bridge crossing, in Pierce County, Washington.

WORK: The project is to replace the existing 39-inch steel water transmission pipeline, which crosses above the Puyallup River on a pipe bridge, with two 36-inch steel underground pipelines. The new pipelines would be installed by excavating 17,000 cubic yards to construct a 90-foot open trench. Excavation of the trench for the new pipeline would require dewatering of a portion of the bed of the Puyallup River in the project site. Between 50-70 percent of the river width would be dewatered at any given time in the estimated six weeks time needed to install the new pipes. Cofferdams would be used to divert the river flow during installation of the new pipelines. Submersible pumps would be used to keep the trench section dry during installation of the new pipelines. The pumps would discharge to a sedimentation pond or tank to allow suspended solids to settle out before the water enters back into the river.

The trench would be backfilled with pipe bedding material (pea gravel), pipe armoring (large angular rock), and native material to restore original grades. Material would be stockpiled in an upland location and any waste material generated during excavation would be transported to an approved landfill.

As part of backfilling the trenches, the existing armored levees would need to be restored. About 870 tons (414 cubic yards) of rock would be used to stabilize 80 linear feet of the existing west side levee. About 706 tons (336) cubic yards of rock would be used to stabilize 65 linear feet of the existing east side levee.

After water transmission has been diverted to the new underground pipelines, the two 39-inch exposed steel pipes totaling one thousand feet and the pipe bridge crossing over the Puyallup River would be removed.

PURPOSE: To provide safe and practicable transmission of water to the City of Tacoma.

ADDITIONAL INFORMATION – To access the electronic version of this public notice, go to the Seattle District's web page at <http://www.nws.usace.army.mil/> and scroll down the alphabetical listing of District elements, and click on "Regulatory" and then "Regulatory – Permits" for the Seattle District's Regulatory homepage. Select the prominently displayed "Public Notices" heading and a list of recently-issued public notices will appear, in chronological order of the date of issuance. Select and view the listing for this project.

MITIGATION: The Puyallup River crossing and staging areas would temporarily impact 4.38 acres of stream buffer. After replacement of the underground pipeline is complete, all disturbed buffers would be restored to existing conditions or better. Impacts to buffer areas would be restored by replacing topsoil, restoring grades, and replacing vegetation

ENDANGERED SPECIES: The Endangered Species Act (ESA) requires federal agencies to consult with the National Marine Fisheries Service (NMFS) and/or U.S. Fish and Wildlife Service (USFWS) pursuant to Section 7 of ESA on all actions that may affect a species listed (or proposed for listing) under the ESA as threatened or endangered or any designated critical habitat. After receipt of comments from this public notice, the Corps will evaluate the potential impacts to proposed and/or listed species and their designated critical habitat.

ESSENTIAL FISH HABITAT: The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996, requires all Federal agencies to consult with the NMFS on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). The proposed action would impact EFH in the project area. Corps has determined that the proposed action will not adversely affect designated EFH for federally managed fisheries in Washington waters. No further EFH consultation is necessary.

CULTURAL RESOURCES: The District Engineer has determined that the proposed project would result in an Adverse Effect to the Tacoma Water Pipeline No. 1 Bridge and Pipes, which are properties eligible for listing in the National Register of Historic Places. The District Engineer invites responses to this public notice from Native American Nations or tribal governments; Federal, State, and local agencies; historical and archeological societies; and other parties likely to have knowledge of or concerns with historic properties in the area. This public notice initiates consultation under Section 106 of the National Historic Preservation Act with any Tribe that has information or concerns with historic properties in the proposed permit area.

PUBLIC HEARING: Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

EVALUATION – CORPS - The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife

values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people.

The Corps is soliciting comments from the public; Native American Nations or tribal governments; Federal, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for the work. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the activity.

The described discharge will be evaluated for compliance with guidelines promulgated by the Environmental Protection Agency under authority of Section 404(b)(1) of the CWA. These guidelines require an alternatives analysis for any proposed discharge of dredged or fill material into waters of the United States.

EVALUATION—ECOLOGY: Ecology is soliciting comments from the public; Federal, Native American Nations or tribal governments, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Ecology will be considering all comments to determine whether to certify or deny certification for the proposed project.

COMMENT AND REVIEW PERIOD: Conventional mail or e-mail comments on this public notice will be accepted and made part of the record and will be considered in determining whether it would be in the public interest to authorize this proposal. In order to be accepted, e-mail comments must originate from the author's e-mail account and must include on the subject line of the e-mail message the permit applicant's name and reference number as shown below. Either conventional mail or e-mail comments must include the permit applicant's name and reference number, as shown below, and the commentor's name, address, and phone number. All comments whether conventional mail or e-mail must reach this office, no later than the expiration date of this public notice to ensure consideration.

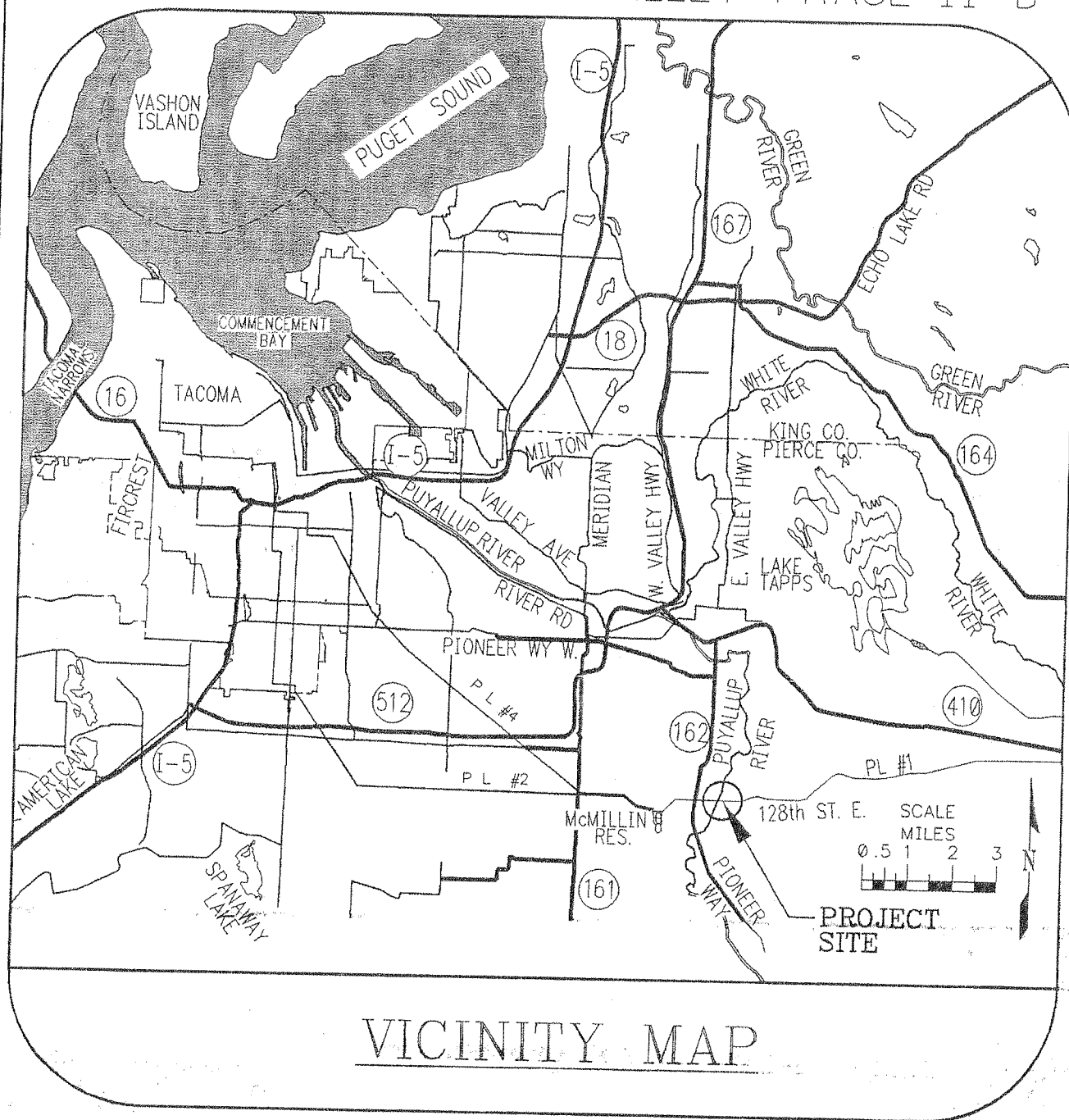
Corps comments: All e-mail comments should be sent to Pamela.Sanguinetti@usace.army.mil. Conventional mail comments should be sent to U.S. Army Corps of Engineers, Regulatory Branch, Attention: Pamela Sanguinetti, Post Office Box 3755, Seattle, Washington 98124-3755.

Ecology Comments: Any person desiring to present views on the project pertaining to a request for water quality certification under Section 401 of the CWA and/or Coastal Zone Management consistency concurrence, may do so by submitting written comments to the following address: Department of Ecology, Attention: SEA program – Federal Permit Coordinator, Post Office Box 47600, Olympia, Washington 98504-7600, or e-mail to ecyrefedpermits@ecy.wa.gov

To ensure proper consideration of all comments, responders must include the following name and reference number in the text of their comments: Tacoma Public Utilities, NWS-2009-40.

Encl: Figures (10)

PIPELINE NO. 1 REPLACEMENT AT PUYALLUP RIVER VALLEY-PHASE II-B



VICINITY MAP

DRIVING DIRECTIONS:

TRAVEL EAST ON WA-410 TOWARD SUMNER/YAKIMA.
TAKE THE WA-162 E/VALLEY AVE. EXIT TOWARD ORTING.
TURN RIGHT ONTO WA-162 E/VALLEY AVE.
CONTINUE TO FOLLOW WA-162 TO 128TH ST E.
TURN LEFT ONTO 128TH ST E.

SHEET 1 OF 10

Tacoma Public Utilities

NWS-2009-40

Project: Place underground water transmission pipes across
the Puyallup River at river mile 17.1, south of the 128th Street
East bridge crossing, near Orting, in Pierce County, WA.

Lat: 47.1397, Long: -122.2280

Purpose: Provide water to Tacoma.

Date: February 12, 2010

Page 1 of 10

S - TACOMA WATER

UP VALLEY CROSSING
MAP AND COVER SHEET

SCALE
AS NOTED
DRAWING

Tacoma Public Utilities

NWS-2009-40

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Page 2 of 10

INDEX

1. COVER SHEET AND VICINITY MAP
2. INDEX AND LEGEND
3. LOCATION MAP
4. EAST PROPERTY OWNERS
5. EAST PLAN & PROFILE I
6. EAST PLAN & PROFILE II
7. EAST PLAN & PROFILE III
8. EAST TRENCH PLAN I
9. EAST TRENCH PLAN II
10. EAST TRENCH PLAN CROSS SECTIONS

STA 701+50 TO STA 704+50

STA 704+50 TO STA 707+50

STA 707+50 TO STA 710+80

LEGEND



EXCAVATION AREA



STAGING AREA
BUFFER
ENCROACHMENT



LOW FLOW
RIVER CHANNEL



BUFFER



100-YR FLOODPLAIN



WETLAND



STAGING AREA

----- LEVEE TOE

----- LEVEE TOP

===== COFFER DAM

===== PROPOSED
PIPELINE

===== EXISTING
PIPELINE

-----102----- CONTOUR

~~~~~ 150' WETLAND  
BUFFER

A |-----| A SECTION

SHEET 2 OF 10

DEPARTMENT OF PUBLIC UTILITIES

TACOMA WATER

Date: 02/12/10

Project: PRC

WBS:

WTR-00345-01

Design: JMM

Drawn: KAW

Digitize:

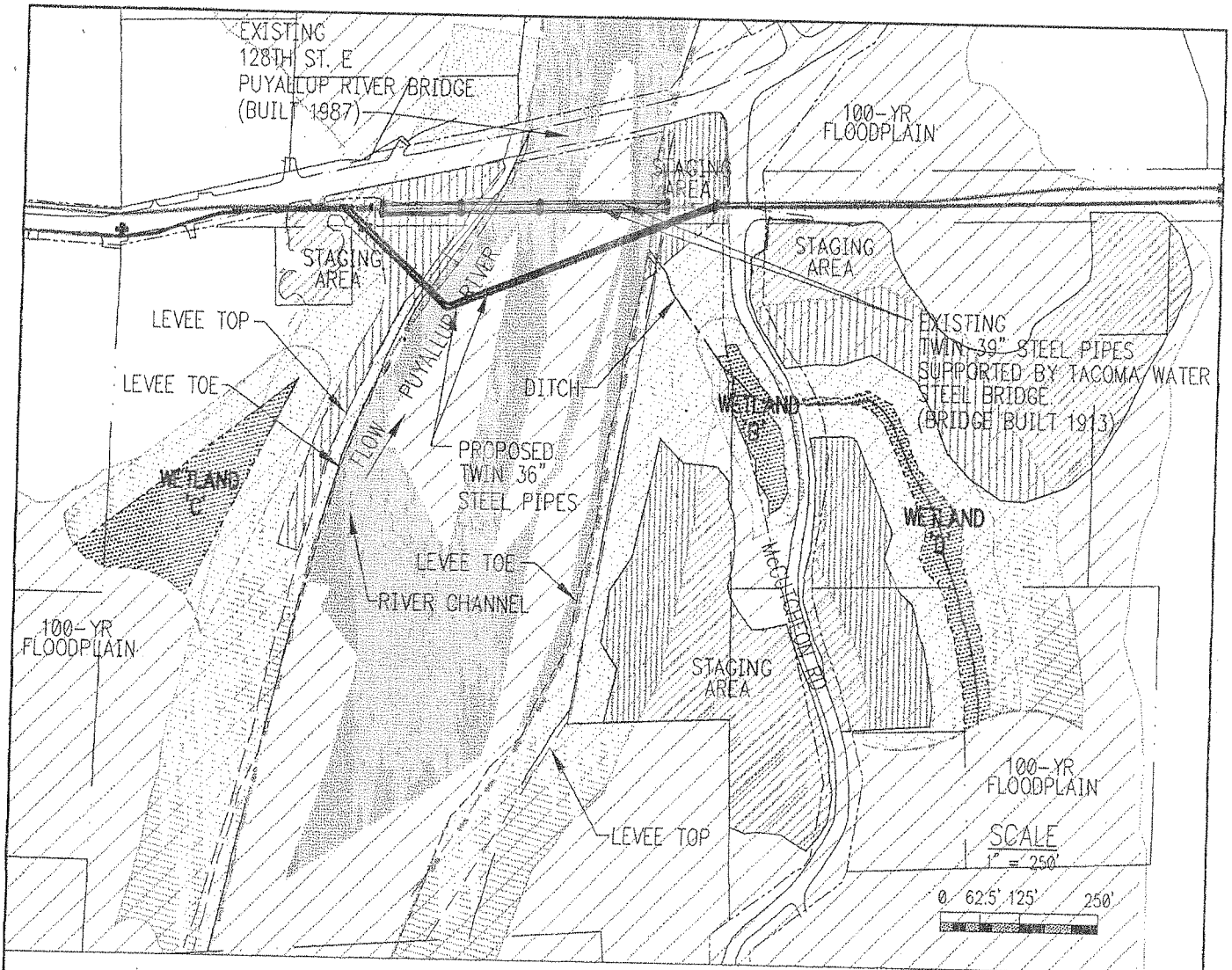
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PUYALLUP VALLEY CROSSING  
INDEX AND LEGEND

SCALE

AS NOTED

DRAWING



# PURPOSE: TACOMA WATER PIPELINE REPLACEMENT

Tacoma Public Utilities  
 Project: Place underground water transmission pipes across the Puyallup River at river mile 17.1, south of the 128<sup>th</sup> Street East bridge crossing, near Orting, in Pierce County, WA.  
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 Purpose: Provide water to Tacoma.  
 Date: February 12, 2010

NWS-2009-40

Page 3 of 10

SHEET 3 OF 10

DEPARTMENT OF PUBLIC UTILITIES

TACOMA WATER

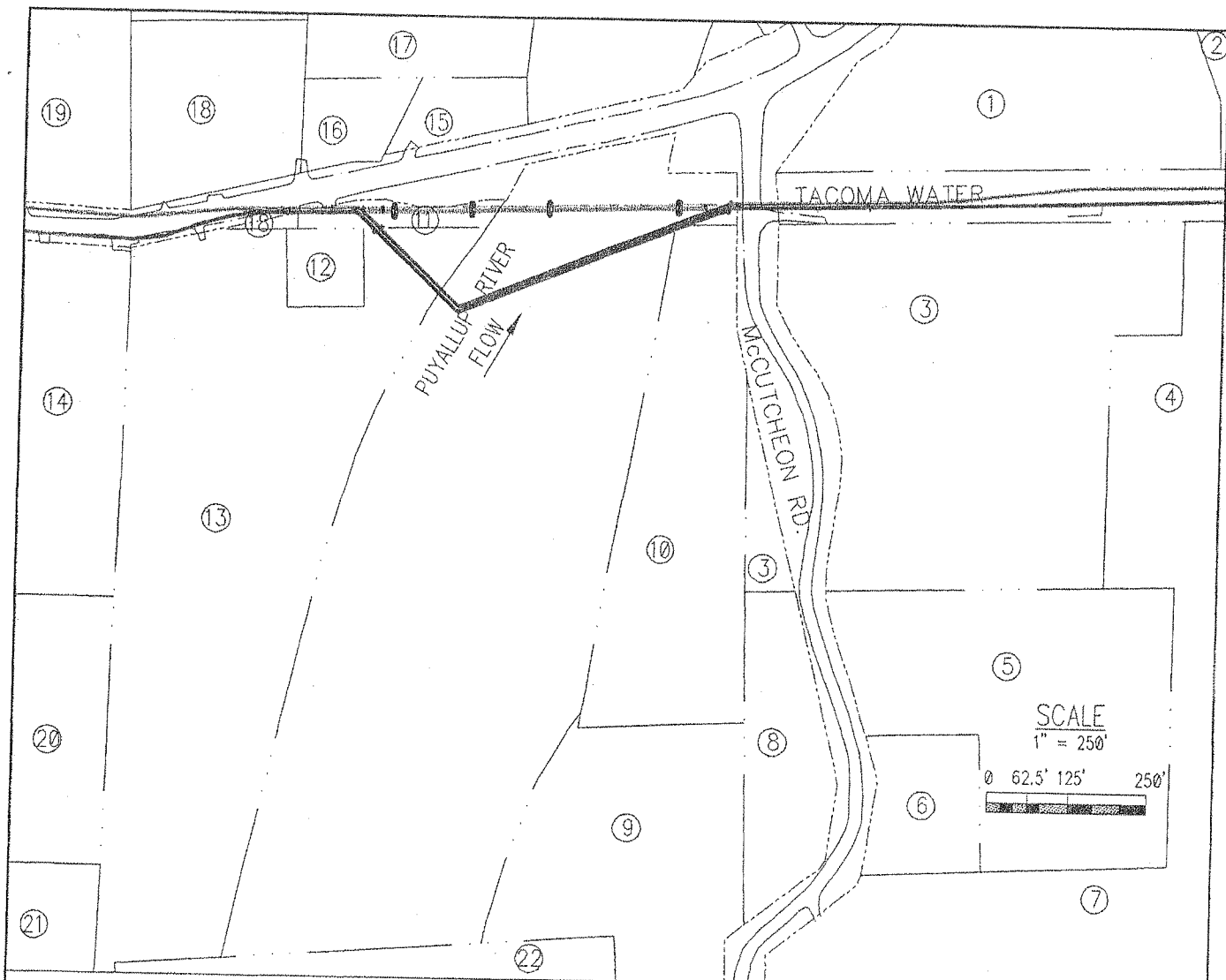
Date: 02/12/10  
 Design: JMM  
 Drawn: KAW  
 Digitize:  
 Check:

Project: PRC

WBS:  
 WTR-00345-01

PUYALLUP VALLEY CROSSING  
 EAST LOCATION MAP

SCALE  
 AS NOTED  
 DRAWING



PROPERTY OWNERS/PARCEL NUMBERS:

|                 |            |                 |            |
|-----------------|------------|-----------------|------------|
| ① MYHRE/SHEPARD | 0519073004 | ⑫ PIERCE COUNTY | 0519182014 |
| ② MOSBY         | 0519073058 | ⑬ RHEAD         | 0519182019 |
| ③ WOODWORTH     | 0519182010 | ⑭ PARKER        | 5255000062 |
| ④ WOODWORTH     | 0519182009 | ⑮ PIERCE COUNTY | 0519073054 |
| ⑤ WOODWORTH     | 0519182000 | ⑯ STROPKO       | 0519073053 |
| ⑥ WOODWORTH     | 0519182035 | ⑰ PIERCE COUNTY | 0519073023 |
| ⑦ MILLER        | 0519182005 | ⑱ BOHLMAN       | 0519073037 |
| ⑧ WOODWORTH     | 0519182032 | ⑲ JACKSON       | 0419124040 |
| ⑨ HARRIS HEIRS  | 0519182036 | ⑳ RHEAD         | 5255000061 |
| ⑩ PIERCE COUNTY | 0519182037 | ㉑ PIERCE COUNTY | 0419131060 |
| ⑪ PIERCE COUNTY | 0519073041 | ㉒ KNOWLES       | 0519182011 |

C:\Phase2\JARPA\Cur 10.10 Plot date: Feb 12, 2010-02:09:59pm CAD User: kwood.

Tacoma Public Utilities  
 Project: Place underground water transmission pipes across  
 the Puyallup River at river mile 17.1, south of the 128<sup>th</sup> Street  
 East bridge crossing, near Orting, in Pierce County, WA.  
 Lat: 47.1397, Long: -122.2280  
 Purpose: Provide water to Tacoma.  
 Date: February 12, 2010

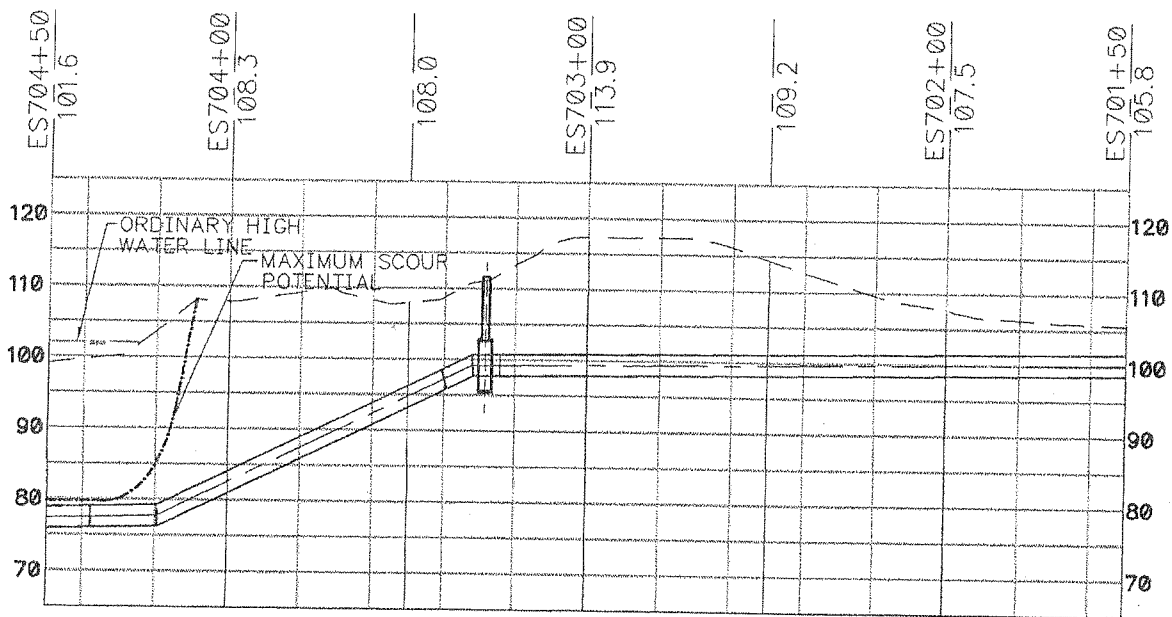
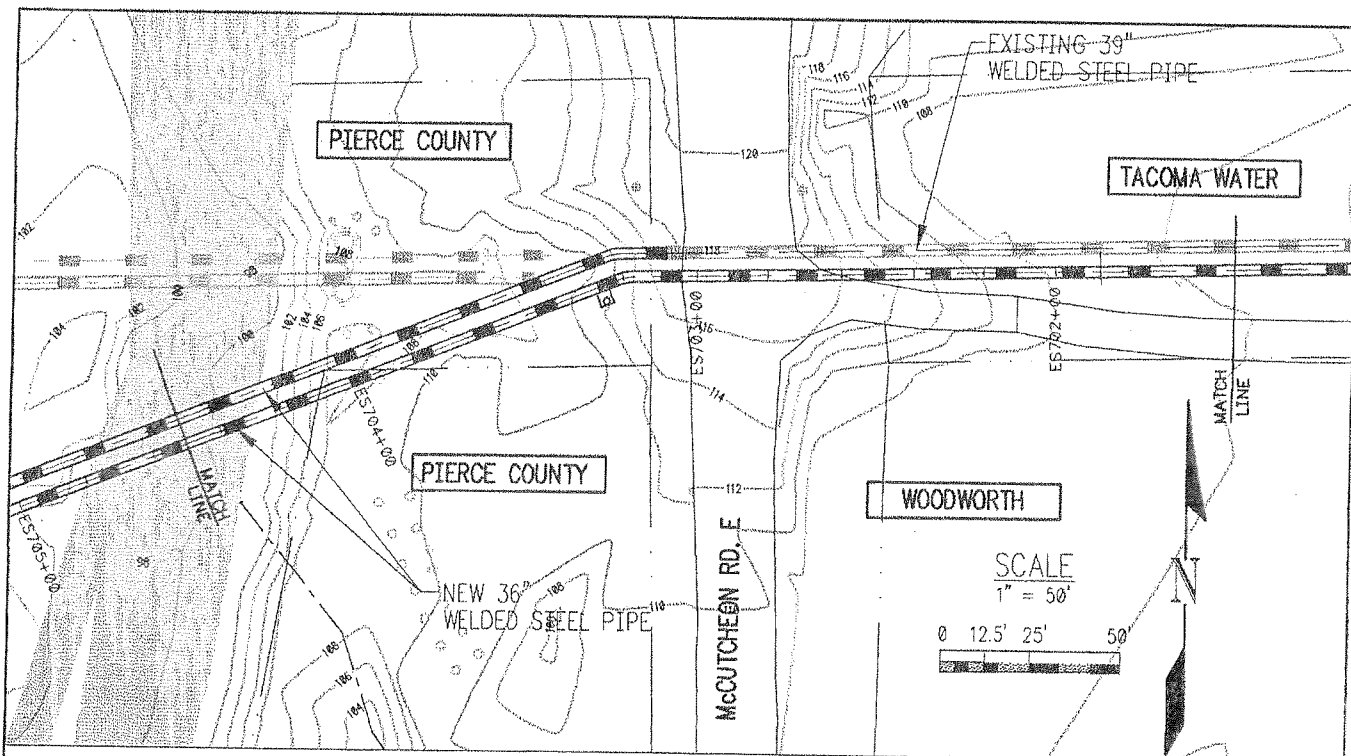
NWS-2009-40

SHEET 4 OF 10

ES - TACOMA WATER

PUYALLUP VALLEY CROSSING  
 EAST VICINITY MAP

SCALE  
 AS NOTED  
 DRAWING



HORIZONTAL SCALE

1" = 50'

0 12.5' 25' 50'

VERTICAL SCALE IN FEET

Vertical Exaggeration x 2

SHEET 5 OF 10

Tacoma Public Utilities  
 Project: Place underground water transmission pipes across  
 the Puyallup River at river mile 17.1, south of the 128<sup>th</sup> Street  
 last bridge crossing, near Orting, in Pierce County, WA.  
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NWS-2009-40

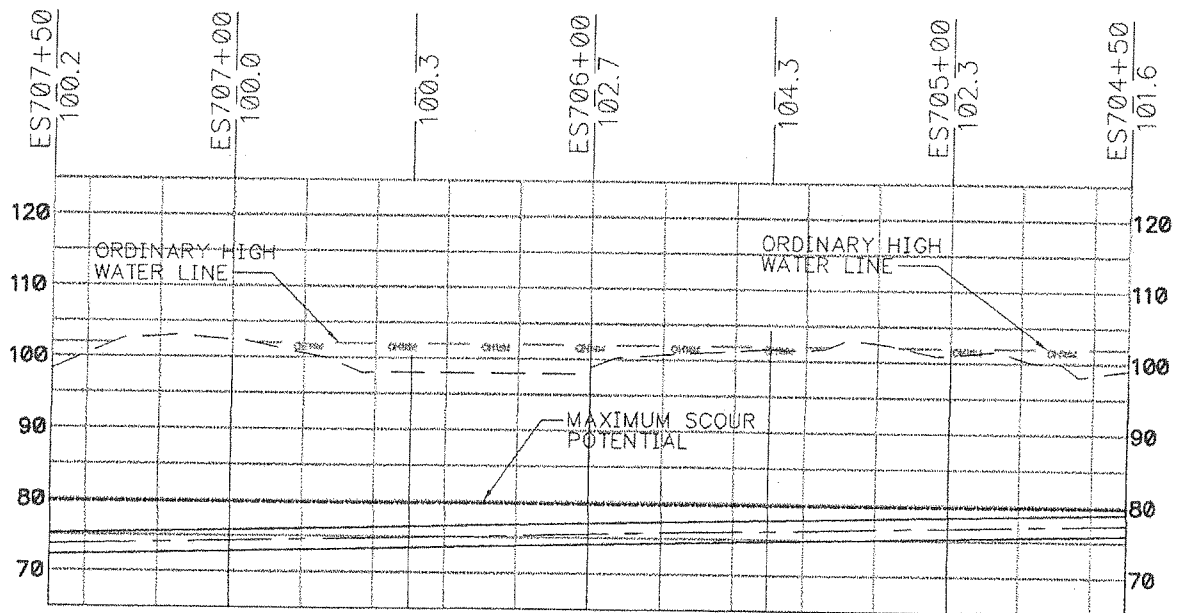
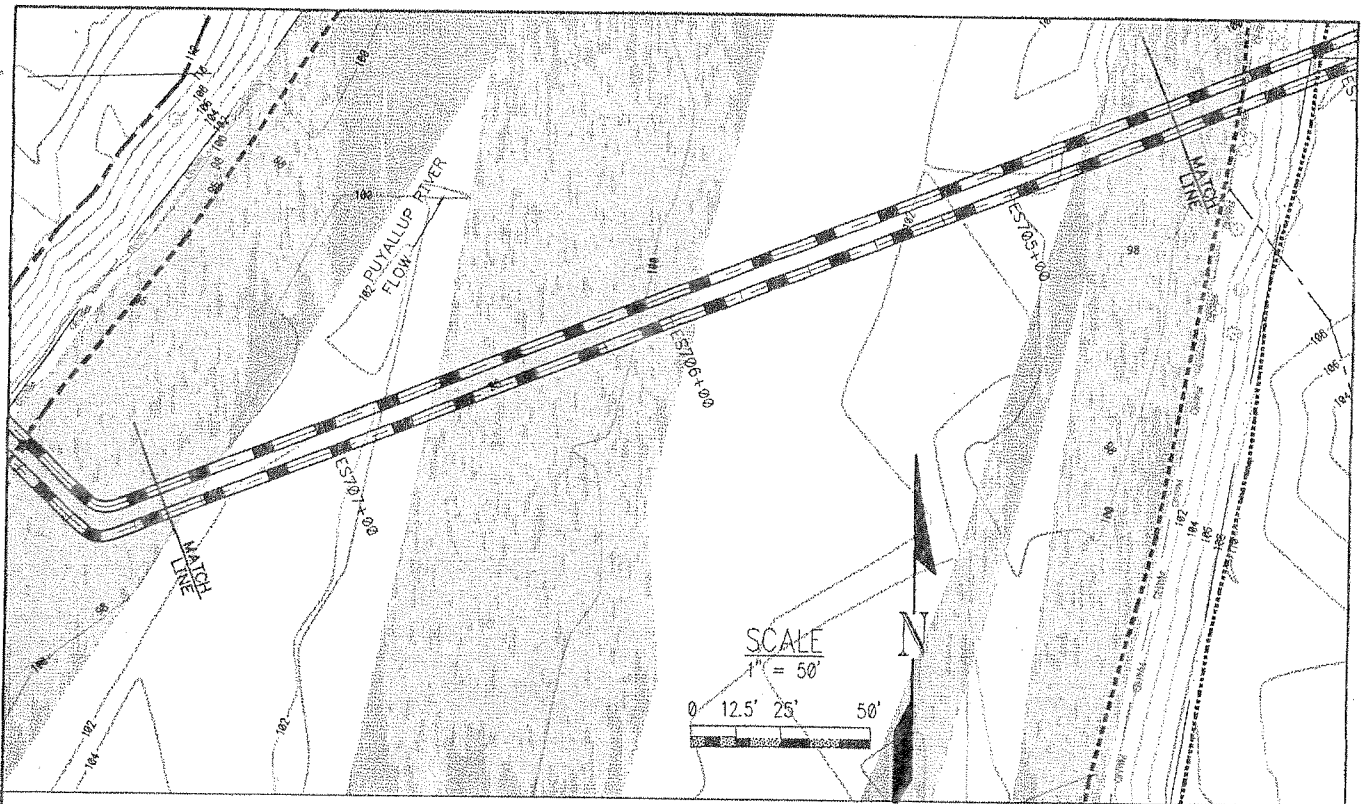
Page 5 of 10

UTILITIES - TACOMA WATER

PUYALLUP VALLEY CROSSING  
 EAST PLAN & PROFILE I  
 STA ES701+50 TO ES704+50

|          |
|----------|
| SCALE    |
| AS NOTED |
| DRAWING  |





HORIZONTAL SCALE

1" = 50'

0 12.5' 25' 50'

VERTICAL SCALE IN FEET

Vertical Exaggeration x 2

SHEET 6 OF 10

Tacoma Public Utilities  
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 the Puyallup River at river mile 17.1, south of the 128<sup>th</sup> Street  
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 Date: February 12, 2010

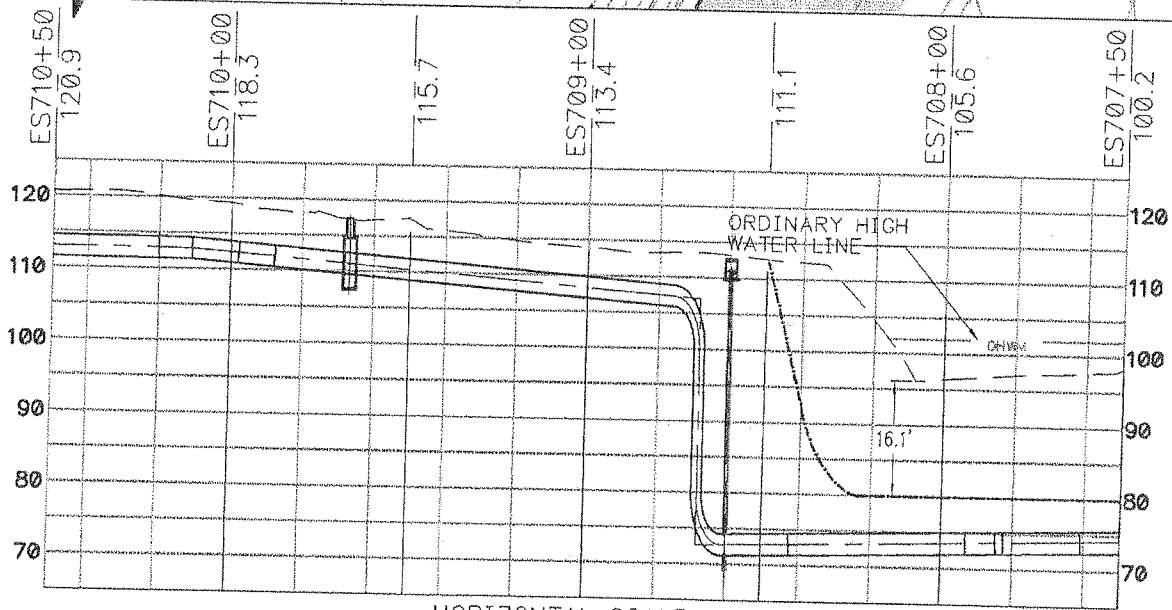
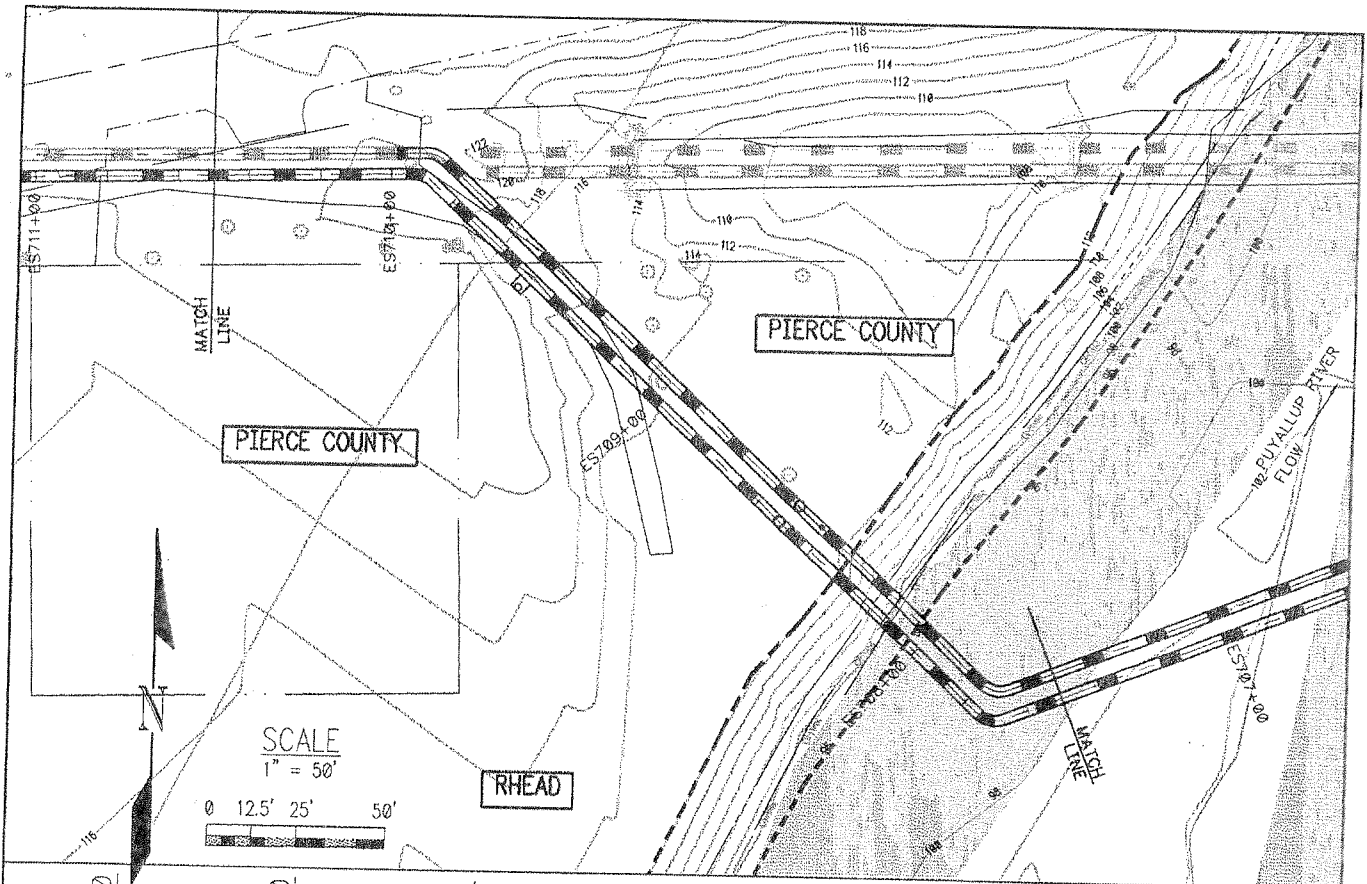
Page 6 of 10

ITIES - TACOMA WATER

YALLUP VALLEY CROSSING  
 AST PLAN & PROFILE II  
 S704+50 TO STA ES707+50

SCALE  
 AS NOTED

DRAWING



HORIZONTAL SCALE

1" = 50'  
0 12.5' 25' 50'

VERTICAL SCALE IN FEET

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Tacoma Public Utilities  
Project: Place underground water transmission pipes across  
the Puyallup River at river mile 17.1, south of the 128<sup>th</sup> Street  
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Date: February 12, 2010

NWS-2009-40 Generation x 2

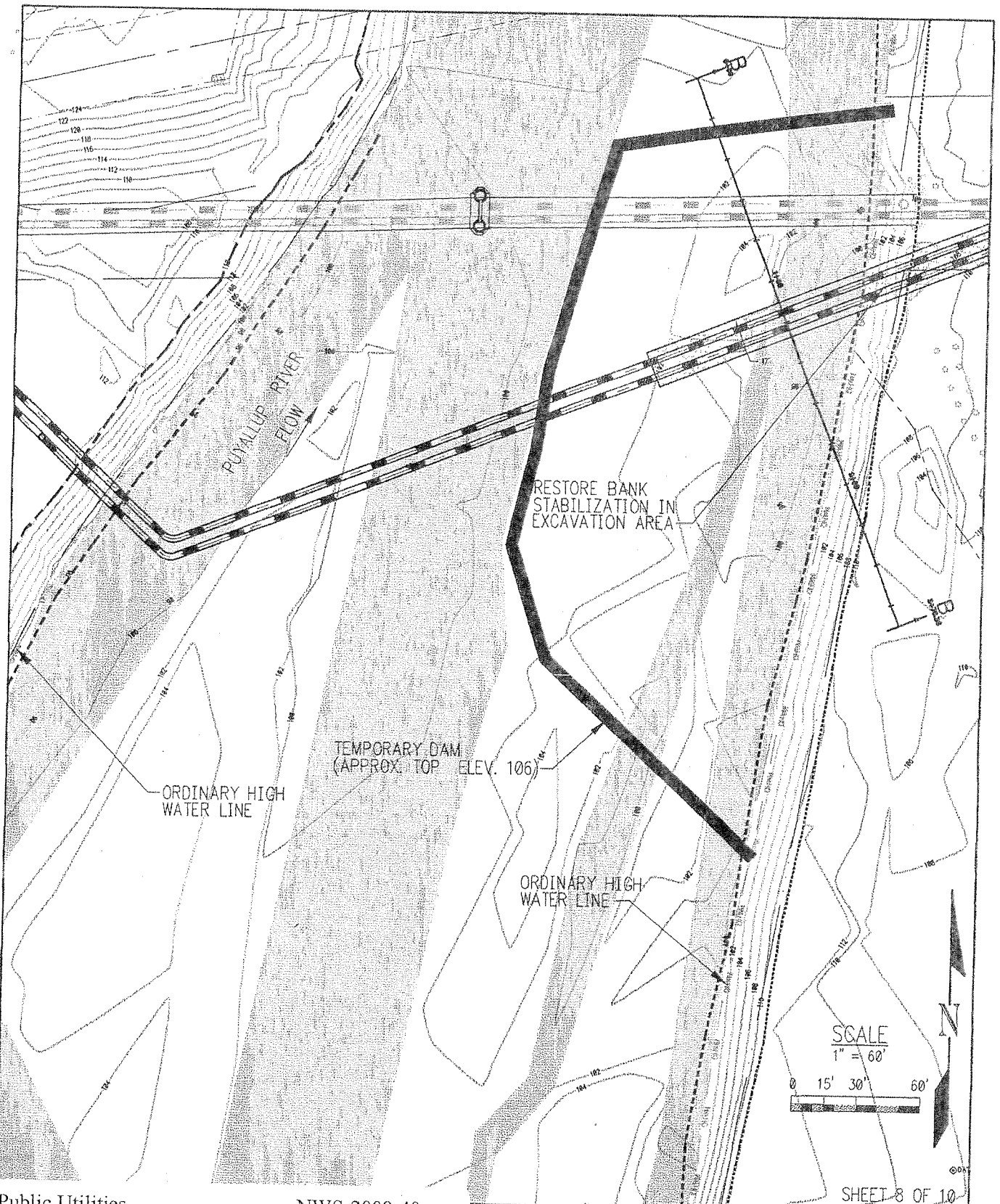
SHEET 7 OF 10

UTILITIES - TACOMA WATER

PUYALLUP VALLEY CROSSING  
FAST PLAN & PROFILE III  
ES707+50 TO STA ES710+50

SCALE  
AS NOTED  
DRAWING

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NWS-2009-40

Page 8 of 10

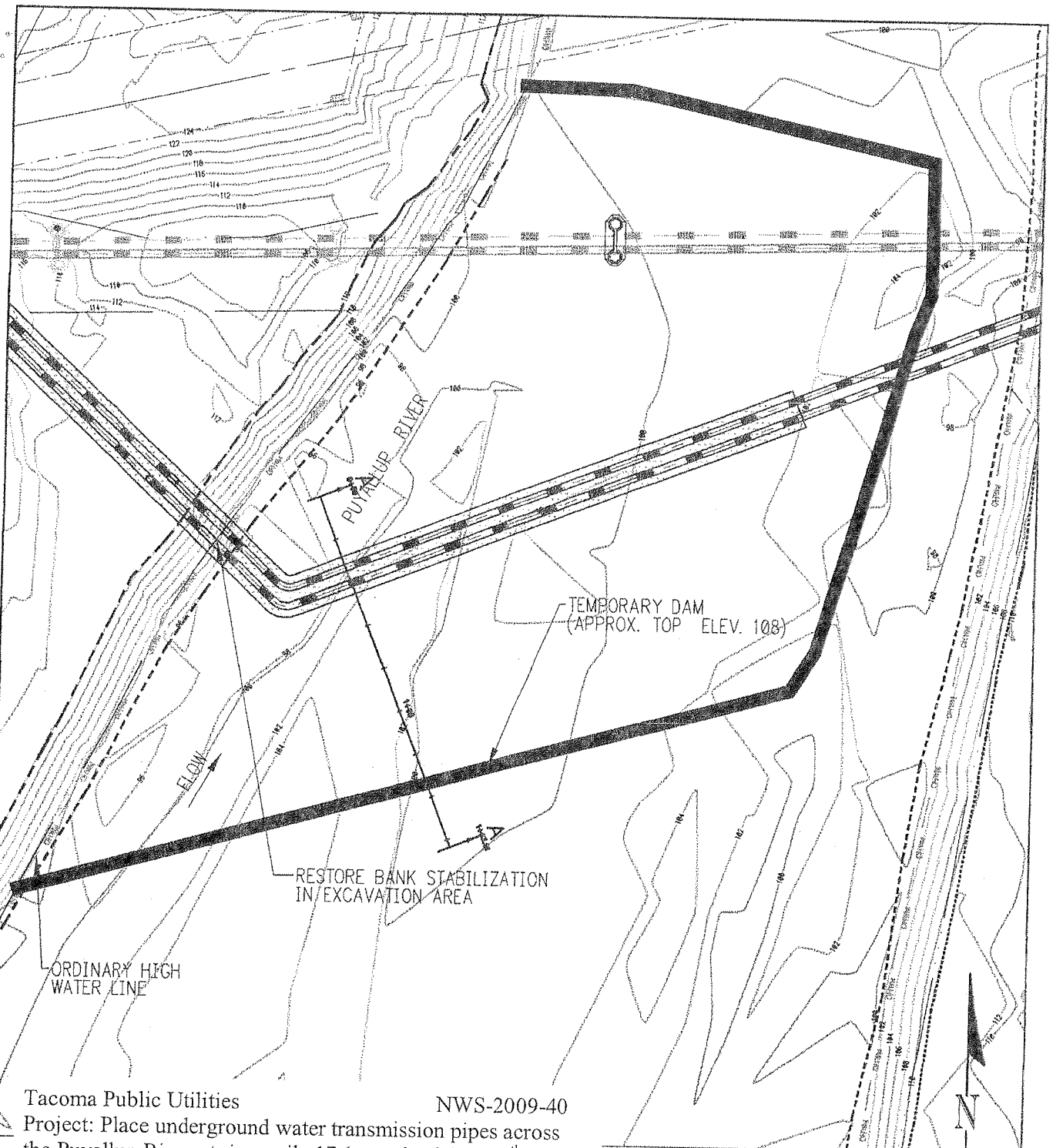
ITIES - TACOMA WATER

YALLUP VALLEY CROSSING  
EAST TRENCH PLAN I

SCALE  
AS NOTED  
DRAWING

SHEET 8 OF 10

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Tacoma Public Utilities NWS-2009-40  
 Project: Place underground water transmission pipes across  
 the Puyallup River at river mile 17.1, south of the 128<sup>th</sup> Street  
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 Date: February 12, 2010

Page 9 of 10

SCALE  
 1" = 60'  
 0 15' 30' 60'

SHEET 9 OF 10

DEPARTMENT OF PUBLIC UTILITIES

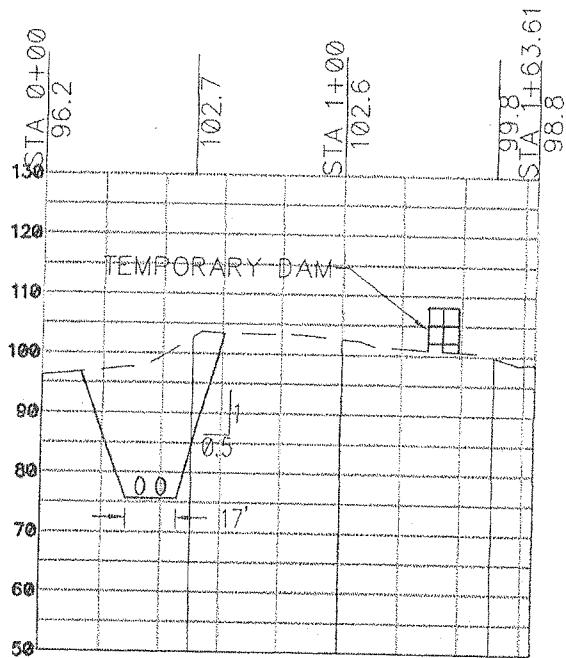
TACOMA WATER

|                |              |                      |
|----------------|--------------|----------------------|
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| Check:         |              |                      |

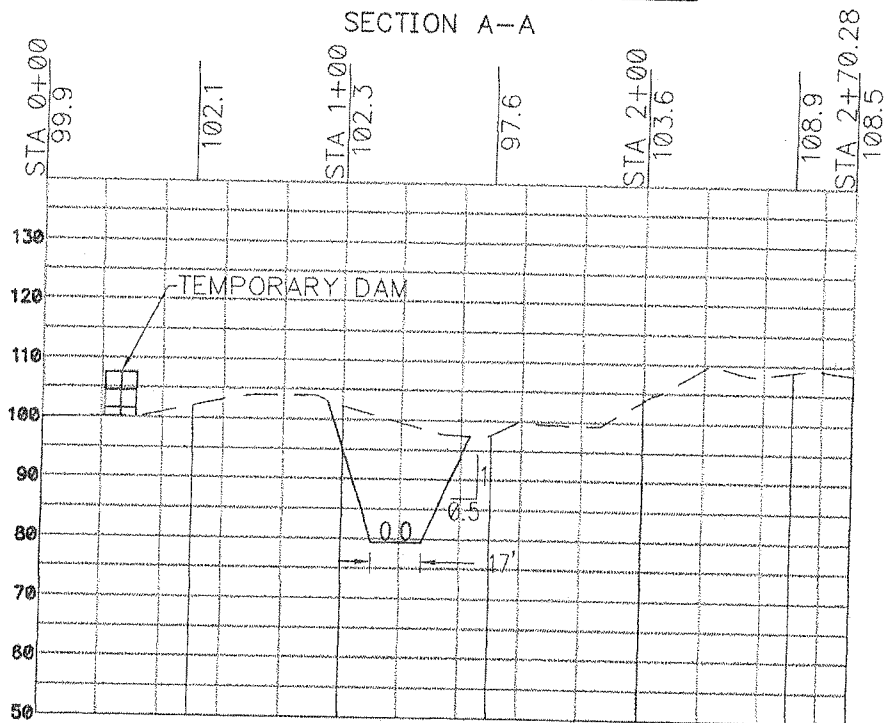
PUYALLUP VALLEY CROSSING  
 EAST TRENCH PLAN II

SCALE  
 AS NOTED  
 DRAWING

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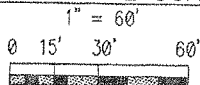


SECTION A-A



SECTION B-B

HORIZONTAL SCALE



VERTICAL SCALE IN FEET

Vertical Exaggeration x 2

SHEET 10 OF 10

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NWS-2009-40

Page 10 of 10

UTILITIES - TACOMA WATER

PUYALLUP VALLEY CROSSING  
EAST CROSS SECTIONS

SCALE  
AS NOTED  
DRAWING